

**AMENDMENT TO THE CLAIMS:**

1-3. *(Cancelled)*

4. *(Currently Amended)* The system according to ~~any one of the claim~~[[s 2-3]] 16, wherein said plurality of target nucleic acids are a plurality of subsequences of a polynucleotide.

5. *(Currently Amended)* The system of ~~any one of claim~~[[s 2-3]] 16, wherein said first or second solid support is glass.

6. *(Currently Amended)* The system according to ~~any one of the claim~~[[s 2-3]] 16 wherein said immobilization is covalent.

7. *(Currently Amended)* The system according to ~~any one of the claim~~[[s 2-3]] 16 wherein said immobilization is non-covalent.

8. *(Currently Amended)* The system according to claim [[3]] 16 wherein said primers [[is]] are covalently linked to a cleavable moiety.

9. *(Original)* The system according to claim 8 wherein said cleavable moiety is cleavable by photolysis.

10. *(Currently Amended)* The system according to ~~any one of the claim~~[[s 2-3]] 16 wherein the surface of said first solid support comprises a plurality of hydrophilic areas.

11. *(Currently Amended)* The system according to ~~any one of the claim~~[[s 2-3]] 16 wherein the density of the derivatized areas on said first solid support is between about 10 to 10,000 per cm<sup>2</sup>.

12. *(Currently Amended)* The system according to ~~any one of the claim~~[[s 2-3]] 16 wherein the size of said derivatized area on said first solid support is between about 10<sup>-3</sup> to 5 mm<sup>2</sup>.

13. **(Currently Amended)** The system according to ~~any one of the claim~~[[s 2-3]] 16 wherein the number of derivatized areas on said first solid support is between about 10 to 500,000.

14. **(Cancelled)**

15. **(Currently Amended)** The solid support of claim ~~[[1]]~~ 16 wherein said releasable primer is releasable by photolysis.

16. **(New)** A system for amplifying a plurality of target nucleic acids, comprising
- (a) a first solid support comprising a plurality of derivatized areas, wherein each of said derivatized areas comprises:
    - (i) at least one releasable forward primer and at least one releasable reverse primer for each of said target nucleic acids adapted to be released before an amplification reaction; or
    - (ii) at least one releasable sequence complementary to said releasable forward primer and at least one releasable sequence complementary to said releasable reverse primer adapted to be released before an amplification reaction; and
  - (b) a second solid support comprising a plurality of wells, wherein each well corresponds to either
    - (i) at least one of said releasable forward primer and at least one of said releasable reverse primer; or
    - (ii) at least one of said releasable sequence complementary to said releasable forward primer and at least one of said releasable sequence complementary to said releasable reverse primer.